UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/824,650	04/04/2001	Chien Sen Weng	ACR0021-US	1375

			EXAMINER
34283	7590	11/03/2004	PYZOCHA, MICHAEL J

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ART UNIT	PAPER NUMBER
2137	

DATE MAILED: 11/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *04 April 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-29* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-29* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *04 April 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date *09/22/2004*.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1. Claims 1-29 are pending.

Specification

2. The disclosure is objected to because of the following informalities: page 2 line 25 "descrypt" should be "decrypt", line 27 "beneaththe" should be "beneath the" and "deviceis" should be "device is", page 4 line 18 "client31" should be "client 31", line 22 "module29" should be "module 29", line 24 "server12" should be "server 12", page 5 lines 16-20 "module30", "module29" and "unit24" should have spaces before the numbers, same for page 6 line 22 "step51".

Appropriate correction is required.

Claim Objections

3. Claims 21-22, 26 are objected to because of the following informalities: as per claim 21 in line 4 "seperatively" should be "separately" and in line 9, "sai" should be "said"; as per claim 22 line 8 the second "the" should be removed; as per claim 26 in line 4 "seperatively" should be "separately". Appropriate correction is required.

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which

forms the basis for all obviousness rejections set forth in this

Office action:

> (a) A patent may not be obtained though the invention is not identically
> disclosed or described as set forth in section 102 of this title, if the
> differences between the subject matter sought to be patented and the prior
> art are such that the subject matter as a whole would have been obvious at
> the time the invention was made to a person having ordinary skill in the
> art to which said subject matter pertains. Patentability shall not be
> negatived by the manner in which the invention was made.

5.   Claims 1, 4, 7-11, 16, 18-19, 21-24, 26-28 are rejected

under 35 U.S.C. 103(a) as being unpatentable over Payton (U.S.

5,737,009) and further in view of Wyard (U.S. 5,867,144).

As per claim 1, Payton discloses a server apparatus,

comprising: a data management module for storing a plurality of

data sources (see column 4 lines 43-47); a channel management

module for differentiating said data sources into a plurality of

channels (see column 4 lines 47-50); a encryption module for

generating a plurality of encrypted channels based on

corresponding encryption methods according to said channels (see

column 4 lines 50-51); and a data-transferring module for

transferring a data stream of said corresponding encrypted

channel upon receiving requests of said channels (see column 5

lines 13-15); and a client apparatus, comprising: a channel-

receiving module, represented as a window interface, comprising:

a data-receiving receiving said unit for making said data

stream; requests and a channel differentiating unit for

differentiating said data stream of said encrypted channels; a

data buffer unit for saving said encrypted channels; a first

interface unit for controlling said window interface over

displaying said buffer unit; encrypted channels from said data a

first detection unit for detecting whether or not a designated

icon is positioned on said window interface (see column 5 lines

13-45); and a decryption module comprising: a decryption unit

for starting decrypting said encrypted channels upon receiving

said decryption signal and generating corresponding decrypted

channels, then displaying said decrypted channels on a

decryption window (see column 5 lines 26-45 where it is inherent

the channels will be displayed).

Payton fails to disclose the decryption module represented

as an icon comprising: a second interface unit for controlling

said designated icon; the display of a second detection unit for

sending a decryption signal as said designated icon is

positioned on said window interface.

Wyard teaches the use of dragging and dropping an icon onto

a window to perform a desired result (see column 2 lines 13-45).

At the time of the invention it would have been obvious to a person of ordinary skill in the art to use Wyard's method of dragging and dropping an icon to perform Payton's decryption.

Motivation to do so would have been to allow a user the option to perform an action based on the drag and drop (see Wyard column 2 lines 41-45).

As per claim 4, the modified Payton and Wyard system discloses the decryption module is dragged and dropped onto the receiving module of said channels with input equipments (see Wyard column 2 lines 13-45 where the video player is the receiving module).

As per claim 7, the modified Payton and Wyard system discloses the content of said channel contains animated text, images, or both (see Payton column 4 lines 43-50).

As per claim 8, the modified Payton and Wyard system discloses the content of said channel is audio (see Payton column 4 lines 43-50 where it is inherent that movies contain audio).

As per claim 9, the modified Payton and Wyard system discloses a server apparatus for transmitting said data, differentiating said data into a plurality of channels, said service apparatus comprising a plurality of encryption unit which encrypts said channels and generates a plurality of

corresponding decryption units (see Payton column 4 lines 43-

60); and a client apparatus for receiving said channels,

comprising a channel-receiving unit for said channels, said

client apparatus accessing a decryption unit (see Payton column

5 lines 13-45), moving said decryption unit onto the top layer

of said channel-receiving unit and starting said channel

decrypted (see Wyard column 2 lines 13-45).

As per claim 10, the modified Payton and Wyard system

discloses the channel-receiving unit is a window interface (see

Payton column 4 lines 23-26).

As per claim 11, the modified Payton and Wyard system

discloses the decryption unit can be a magnifier icon or other

similar icons (see Wyard column 2 lines 13-45).

As per claim 16, the modified Payton and Wyard system

discloses the decryption module is dragged and dropped onto the

receiving module of said channels with input equipments (see

Wyard column 2 lines 13-45 where the video player is the

receiving module).

As per claim 18, the modified Payton and Wyard system

discloses a channel-receiving unit represented as a window

interface for receiving encrypted data (see Payton column 4

lines 23-26); and a decryption unit represented as a icon for

decryption and required to be moved onto the top layer of

receiving unit of the channel to start said decryption (see

Wyard column 2 lines 13-45).

As per claim 19, the modified Payton and Wyard system

discloses decryption unit is dragged and dropped onto the top

layer of said channel-receiving unit with a mouse or other input

equipments (see Wyard column 2 lines 13-45).

As per claim 21, the modified Payton and Wyard system

discloses differentiating data into a plurality of channels,

comprising a service system for transmitting said channels,

encrypting the channels separately and offering corresponding a

plurality of decryption unit for the use of decryption (see

Payton column 4 lines 43-60), wherein said decryption unit is

represented as a icon and requires to be moved onto a window

interface of said channel to start encryption, and said

decryption unit temporarily stores and displays said channels

decrypted (see Wyard column 2 lines 13-45).

As per claim 22, the modified Payton and Wyard system

discloses receiving and storing said data encrypted in a window

interface (see Payton column 4 lines 23-26); moving a decryption

icon of said data of said window interface; and encrypted onto

top layer executing decryption and displaying said data

decrypted on a decrypted window provided by the designated icon

(see Wyard column 2 lines 13-45).

As per claim 23, the modified Payton and Wyard system discloses the decryption unit can be a magnifier icon or other similar icons (see Wyard column 2 lines 13-45).

As per claim 24, the modified Payton and Wyard system discloses the decryption module is dragged and dropped onto the receiving module of said channels with input equipments (see Wyard column 2 lines 13-45 where the video player is the receiving module).

As per claim 26, the modified Payton and Wyard system discloses differentiating data of said server into a plurality of channels (see Payton column 4 lines 47-50); encrypting a plurality of channels separately and generating corresponding decryption units and a plurality of encrypted channels (see Payton column 4 lines 47-51); transferring a data stream of said encrypted channels upon receiving a first request for said channels at said server (see Payton column 5 lines 13-15); making said first request and receiving said data stream at the client (see Payton column 5 lines 13-15); differentiating said data stream into encrypted channels at the client (see Payton column 5 lines 13-25); moving said decryption unit onto said encrypted channels and generating said channels decrypted at said client; receiving said channels decrypted at said decryption unit of client (see Wyard column 2 lines 13-45).

As per claim 27, the modified Payton and Wyard system discloses the decryption unit can be a magnifier icon or other similar icons (see Wyard column 2 lines 13-45).

As per claim 28, the modified Payton and Wyard system discloses the decryption module is dragged and dropped onto the receiving module of said channels with input equipments (see Wyard column 2 lines 13-45 where the video player is the receiving module).

6.   Claims 2-3, 12-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over the modified Payton and Wyard system as applied to claim 1, 9 above, and further in view of Massey et al (G.B. 2,331,814).

As per claims 2-3, 12-13, the modified Payton and Wyard system fails to disclose downloading the channel-receiving and decryption modules to the client via a network.

However, Massey et al teaches downloading modules from via a network (see page 2 lines 26-38).

At the time of the invention it would have been obvious to a person of ordinary skill in the art to use Massey et al's method of downloading modules to download the channel-receiving and decryption modules of the modified Payton and Wyard system.

Motivation to do so would have been to allow for remote updates of the modules.

As per claims 14-15, the modified Payton, Wyard and Massey
et al system disclose downloading the channel-receiving and
decryption modules to the client from a storage medium (see page
2 lines 26-38 where the server is has a remote storage device as
described on page 5 lines 20-29).

7.   Claims 5, 17, 20, 25, 29 are rejected under 35
U.S.C. 103(a) as being unpatentable over the modified Payton and
Wyard system as applied to claims 4, 16, 20, 24, 28 above, and
further in view of Menezes et al (Handbook of Applied
Cryptography).

As per claims 5, 17, 20, 25, 29, the modified Payton and
Wyard system fails to disclose password authentication is
available before dragging and dropping the decryption module.

However, Menezes et al teaches password authentication (see
page 388).

At the time of the invention it would have been obvious to
a person of ordinary skill in the art to use Menezes et al's
password authentication in the modified system of Payton and
Wyard.

Motivation to do so would have been to restrict access to a
system resource [the decryption module] (see Menezes et al page
388).

8.   Claim 6 is rejected under 35 U.S.C. 103(a) as being

unpatentable over the modified Payton and Wyard system as

applied to claim 1 above, and further in view of Hunt et al

(U.S. 5,764,235).

As per claim 6, the modified Payton and Wyard system fails

to disclose the content being static text, images, or both.

However, Hunt et al teaches distributing static text,

images, or both (see the abstract).

At the time of the invention it would have been obvious to

a person of ordinary skill in the art to send Hunt et al' static

text, images, or both in the modified Payton and Wyard system.

Motivation to do so would have been to allow for images to

be downloaded by user requests (see Hunt et al column 2 lines

15-30).

Conclusion

9.   The prior art made of record and not relied upon is

considered pertinent to applicant's disclosure. Hulin (FR

2700231) discloses a method for channel encryption for

subscriber TV, and Hooper et al (U.S. 5,414,455) discloses a

centralized video on-demand system.

Any inquiry concerning this communication or earlier

communications from the examiner should be directed to Michael

Pyzocha whose telephone number is (571) 272-3875. The examiner

can normally be reached on 7:00am - 4:30pm first Fridays of the

bi-week off.

If attempts to reach the examiner by telephone are

unsuccessful, the examiner's supervisor, Andrew Caldwell can be

reached on (571) 272-3868. The fax phone number for the

organization where this application or proceeding is assigned is

703-872-9306.

Information regarding the status of an application may be

obtained from the Patent Application Information Retrieval

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may be obtained from either Private PAIR or Public PAIR. Status

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Business Center (EBC) at 866-217-9197 (toll-free).

MJP

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